

# Abstract of the Disclosure

The invention relates to a method for calculating a position of a mobile communications equipment. In order to obtain a more accurate position information of the mobile communications equipment, receiving physical communication channels within the mobile communications equipment, receiving first signal codes within said physical communication channels, measuring a signal phase of said first signal code within said mobile communications equipment, measuring a pseudodoppler frequency within said physical communications channels within said mobile communications equipment, reducing a noise level of said measured signal phase by using said pseudodoppler frequency, and calculating said position of said mobile communications equipment using at least said noise level reduced signal phase, is proposed.